**NAME: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Activity 3.1**

***NEED: partner, coin, blindfold***

* **Turn to page 134 in your books, and complete activity 3.1. Record your answers below. Be sure to answer all questions from the book and on this sheet!**

**1)** Subject = \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Experimenter = \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**4) & 5)** The experimenter should record the results page 3 of the subjects paper.

**7)**  Switch subject and experimenter:

Subject = \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Experimenter = \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

The experimenter should record the results page 3 of the subjects paper.

**8)**  - What is the proportion of times you guessed **correctly**? (# correct /20) \_\_\_\_\_\_\_\_\_\_\_\_\_\_

- What is the proportion of times your partner guessed **correctly**? (# correct/20) \_\_\_\_\_\_\_\_\_\_\_\_

*\*both answers should be decimals!*

- Add **your** results to the class data on the front board

- Now create a dotplot of the class results below

0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1.0

9) **Write a few sentences** describing the class dotplot. Did any members appear to be able to detect a human energy field? Why or why not? *(what would their proportion be if they could detect it??)*

10) Calculate the average proportion of correct identifications for the class: \_\_\_\_\_\_\_\_\_\_\_\_\_\_

11) What would you expect the proportion to be if the subjects were just guessing? \_\_\_\_\_\_\_\_\_\_

*Meaning that they had no ability to detect the human energy field*

12) How does the class average compare with the expected guessing proportion?

13) What were some sources of bias/error in this experiment?

14) For the sources you listed in #13, what could we have done to help eliminate these sources of bias/error and make our experiment better??

***PAGE 3: your results***

|  |  |  |
| --- | --- | --- |
| **Trial #** | **Coin outcome (H or T)** | **Subject Pick (C or I)** |
| 1 |  |  |
| 2 |  |  |
| 3 |  |  |
| 4 |  |  |
| 5 |  |  |
| 6 |  |  |
| 7 |  |  |
| 8 |  |  |
| 9 |  |  |
| 10 |  |  |
| 11 |  |  |
| 12 |  |  |
| 13 |  |  |
| 14 |  |  |
| 15 |  |  |
| 16 |  |  |
| 17 |  |  |
| 18 |  |  |
| 19 |  |  |
| 20 |  |  |